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Patent Application
Packet No.: EX87-01AZ

GR 335



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Francesco Pompei and Philip R. Gaudet, Jr.

Serial No.: 07/646,855

#5

Rt 2/5/92

Filed: January 28, 1991

Title: RADIATION DETECTOR HAVING IMPROVED ACCURACY

CERTIFICATE OF MAILING

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Commissioner of Patents and Trademarks, Washington,
D.C. 20231 on 1-27-92
Hamilton, Brook, Smith & Reynolds, P.C.

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

The Honorable Commissioner
of Patents and Trademarks
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. 1.56 and 1.97-1.99, the following
listed items are cited to the Examiner as being information
which, in good faith judgment of the Applicants and the
undersigned Attorney, is relevant to the subject matter claimed
in the above-identified application.

The Assignee of the subject application is currently involved in an infringement dispute and the infringer has provided an opinion which is submitted. The opinion has been cleared by the infringer as nonconfidential. It is noted that references AW and AX are discussed in the opinion. With respect to reference AW, note that the infrared thermometer measures ear canal temperature as a function of ambient temperature (See equation 5 on page 1607, which is a conventional equation for determining target temperature from a pyroelectric output). In contrast, the present invention measures a target temperature (eg. ear temperature) as a function of ambient temperature and compensates to provide an inner body temperature approximation (eg. core temperature) as a further function of ambient temperature.

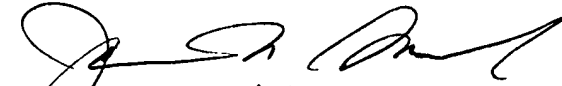
In connection with the above-mentioned dispute, Applicant has also been apprised of a related U.S. patent application, Serial No. 529,151, filed May 25, 1990, assigned to the infringer. References AL', AA", AB" and AC" were included in an Information Disclosure Statement for that patent application. References AL', AA" and AB" are generally relevant in that they disclose infrared radiation detection devices for providing temperature indications. Reference AC" is remotely relevant as it discloses a body temperature measurement technique.

Reference AY was coauthored by one of the inventors of the present application and published after the filing date of the parent to this application. It is provided as being of general interest. Note that the first technique discussed under Technical Considerations corresponds to that of Claims 11-15. In that discussion, note the reference to Love (AX).

Love notes a relationship between internal temperature, surface skin temperature and ambient temperature in equation (1).

Nothing stated herein shall be construed as an admission that any reference constitutes "prior art" to the present invention.

Respectfully submitted,



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